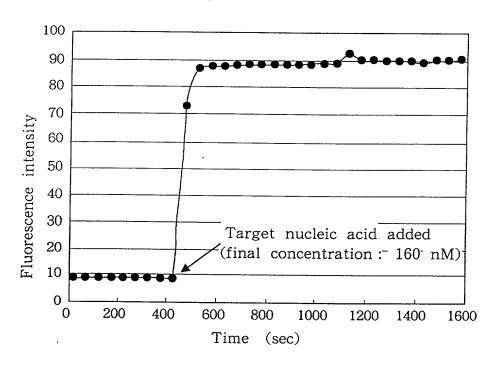
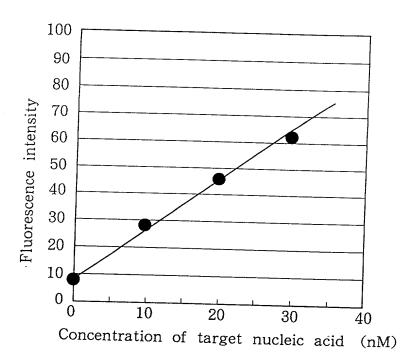
F i g. 1



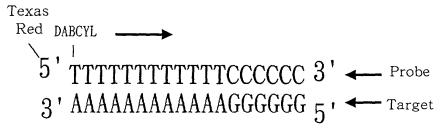
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Fig. -2 -----



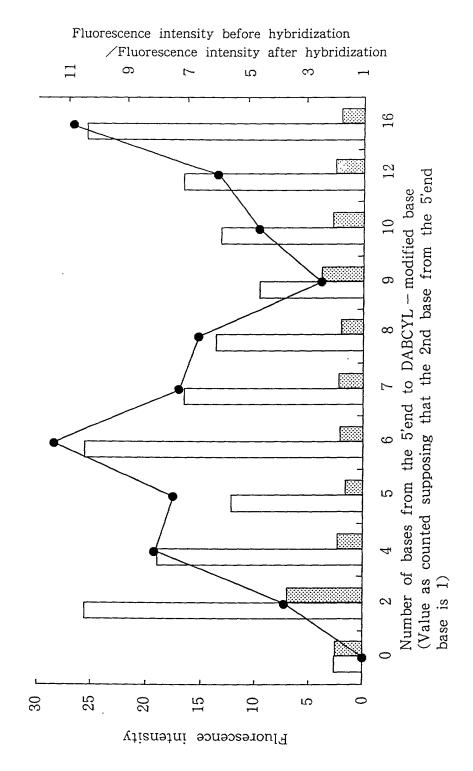
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 3_OF_39_

Fig. 3



(Probe and target when the base interval is zero base)

(Probe and target when the base interval is 16 bases)



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Fig. 5

Texas

Red → DABCYL

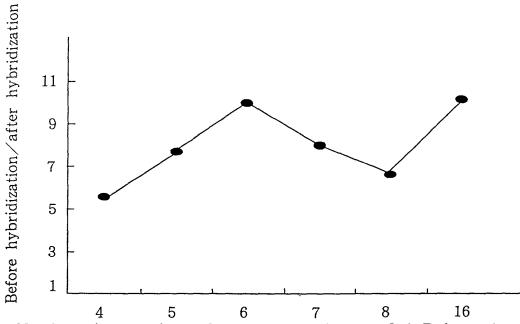
5' TTTTTTTTTTTTTCCCCCC 3' ← Probe

3' AAAAAAAAAAAAAAAGGGGGG 5' ← Target

(Probe and target when the base interval is 6 bases)

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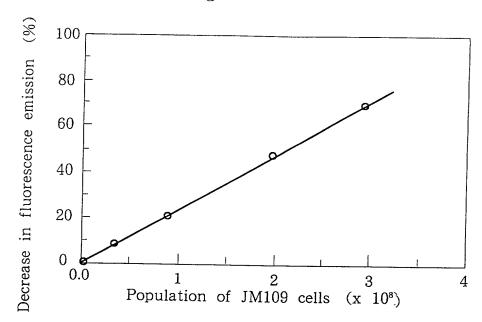
Fig. 6



Number of bases from Texas red modified on 3rd T from the 5' end to DABCYL — modified base (Value as counted supposing that the 4th base from the 5' end base is 1)

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Fig. 7



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F i g. 8

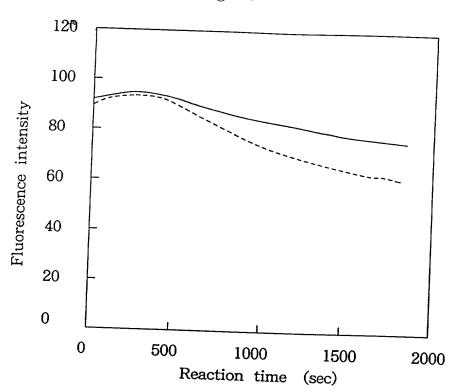
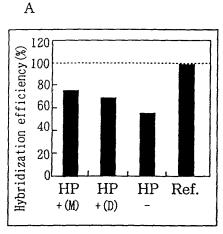
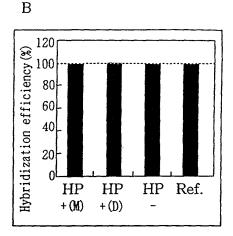
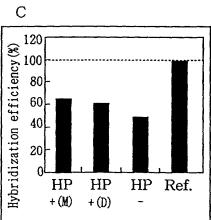
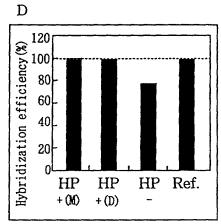


Fig. 9









A: 35 - nucleotides - chained deoxyriboligonucleic acid probe

B: 35 - nucleotides - chained 2 - O - Me probe

C: 17 - nucleotides - chained deoxyriboligonucleic acid probe

D: 17 – nucleotides – chained 2 - O – Me probe

HP: Helper probe

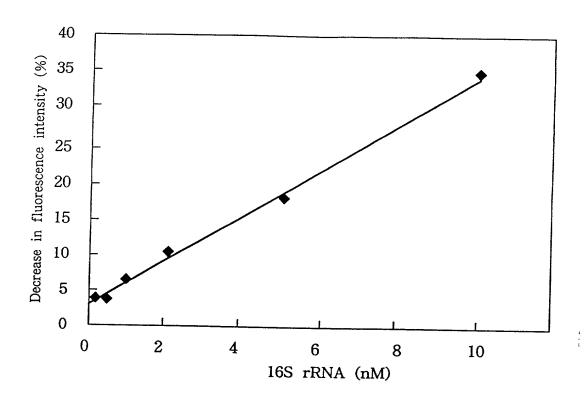
HP + (M) : Helper probe + 2 - O - Me probe

HP + (D): Helper probe + deoxyribooligonucleotide probe

Ref.: Reference

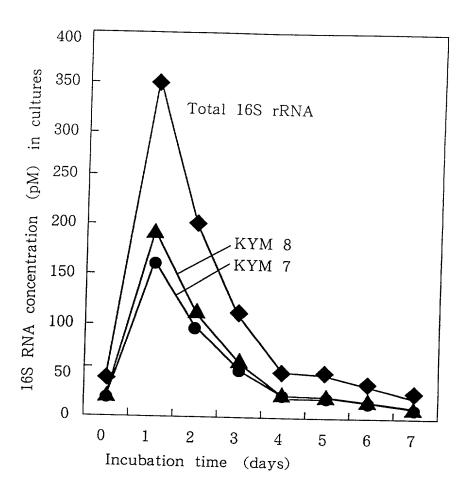
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Fig. 10



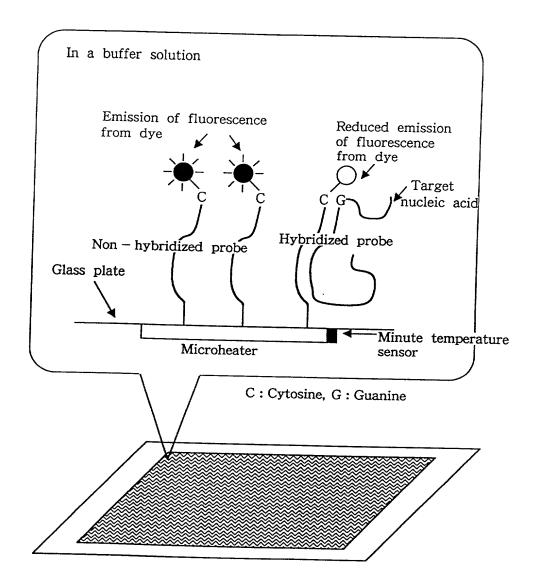
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 11 OF 39

Fig. 11



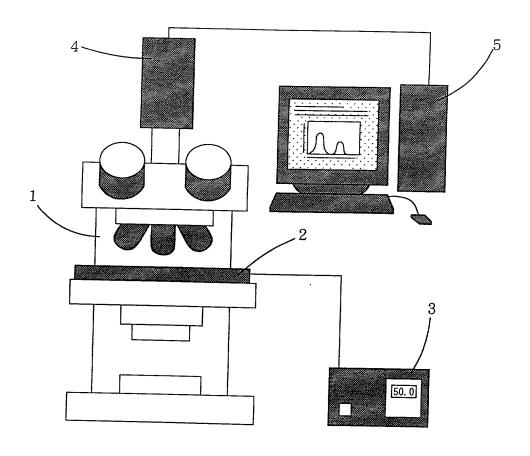
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 12 OF 39

Fig. 12



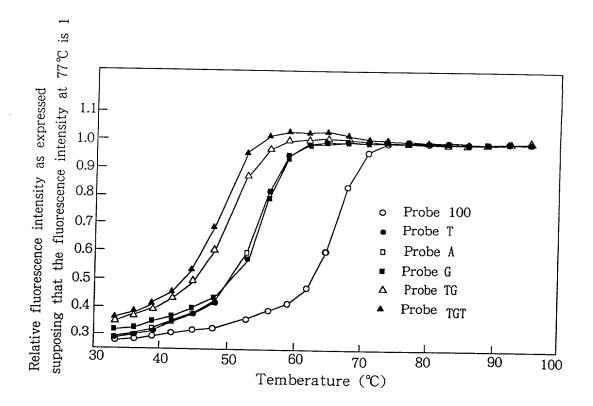
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Fig. 13



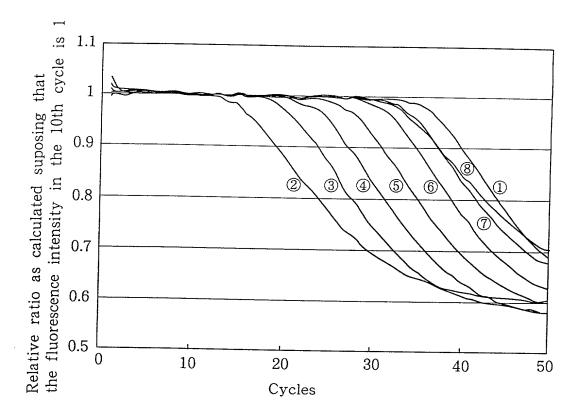
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 14 OF 39

Fig. 14



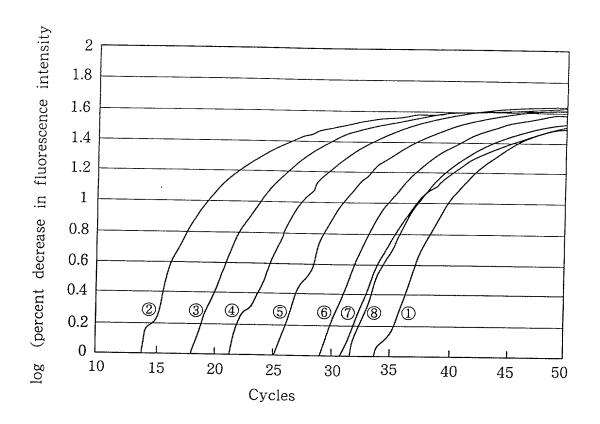
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 15 OF 39

Fig. 15



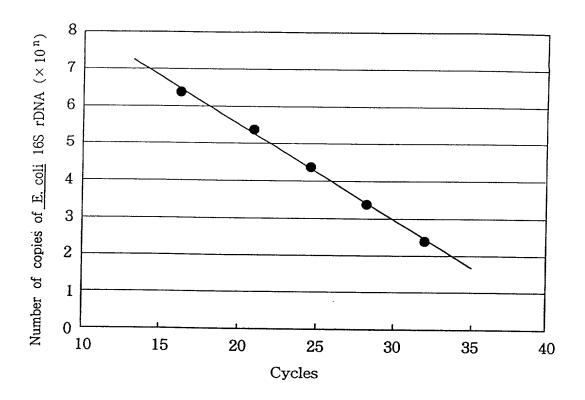
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Fig. 16



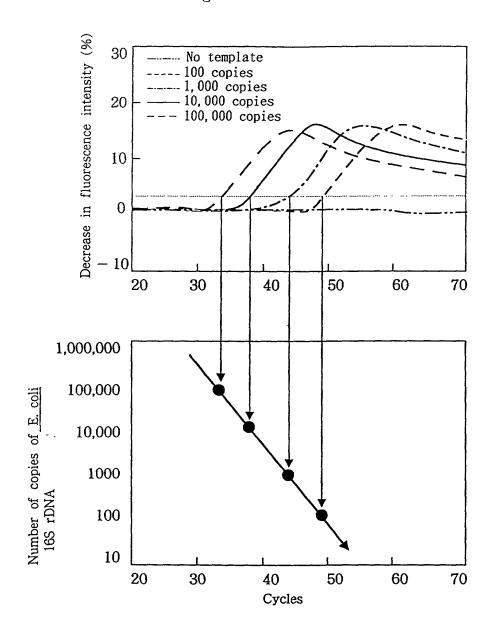
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Fig. 17



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Fig. 18



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Fig. 19

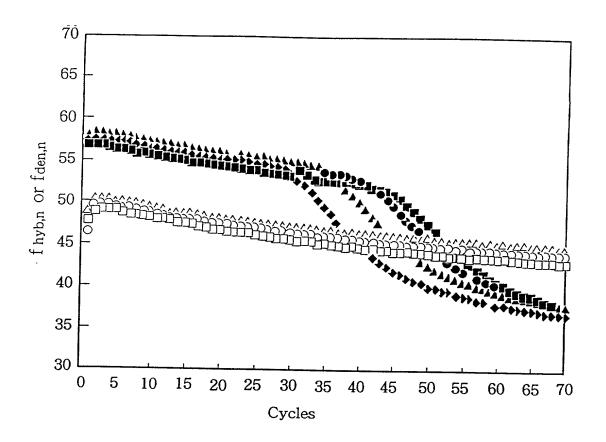
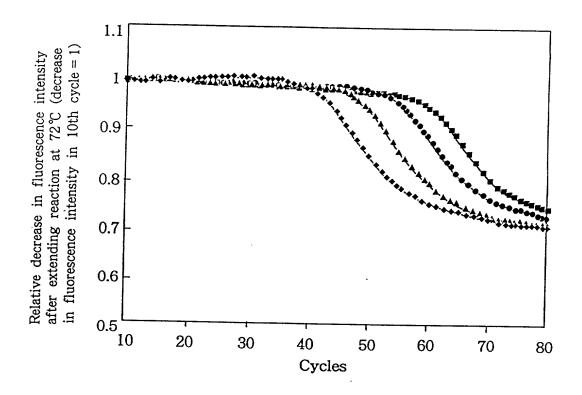
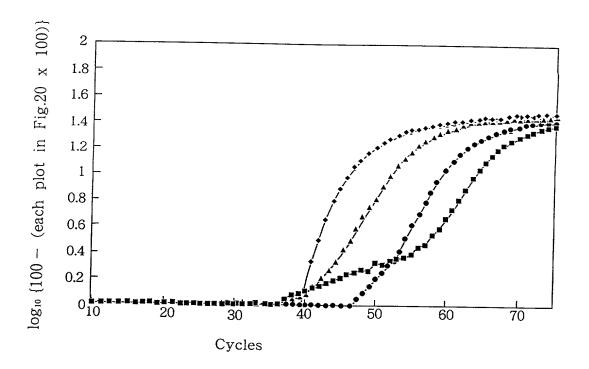


Fig. 20



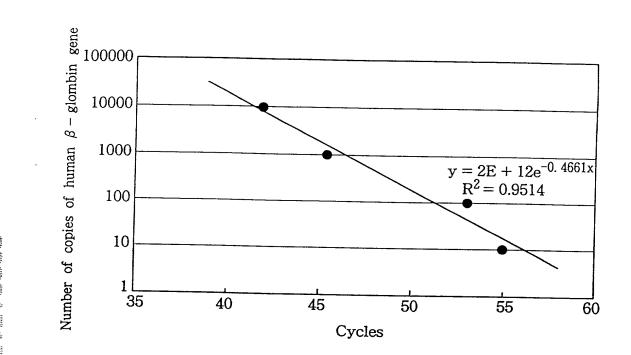
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Fig. 21



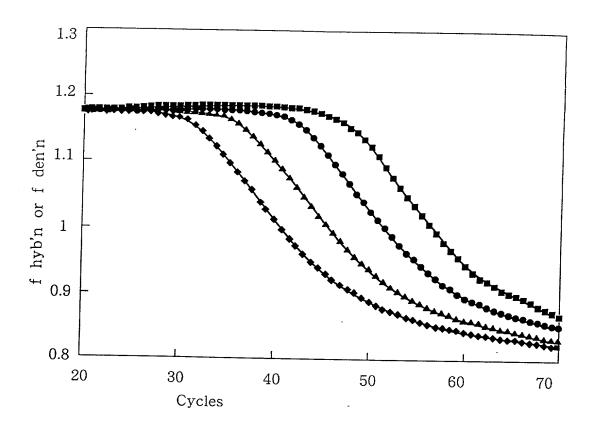
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 22 OF 39

Fig. 22



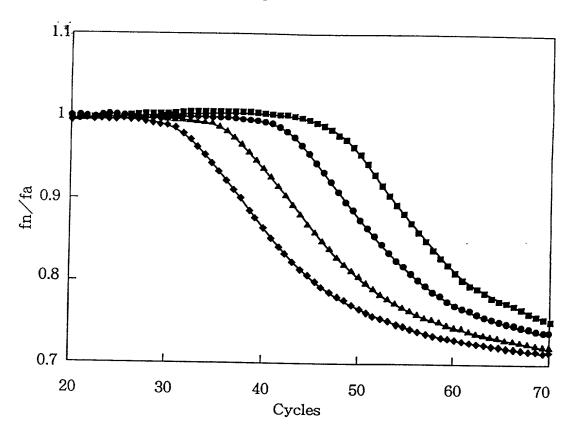
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 23_OF_39_

Fig. 23



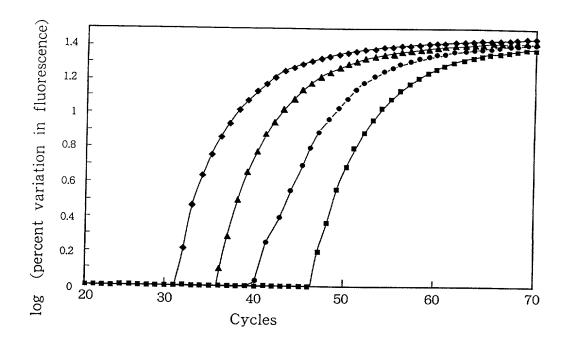
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 24 OF 39

Fig. 24



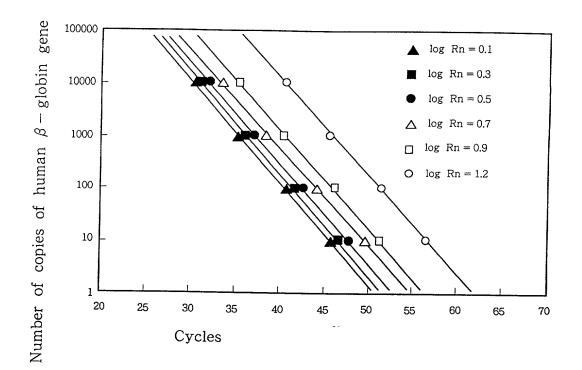
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 25 OF 39

Fig. 25



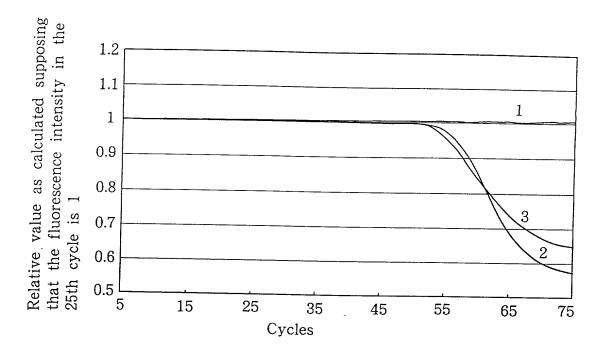
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET <u>26</u> OF <u>39</u>

Fig. 26



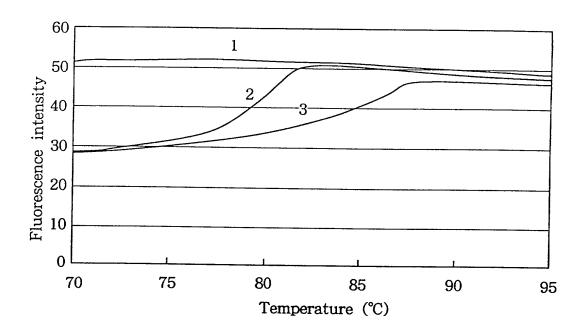
OBLON, SPIVAK, ET AL DOCKET #: 210352US0X INV: Ryuichiro KURANE, et al. SHEET 27 OF 39

Fig. 27



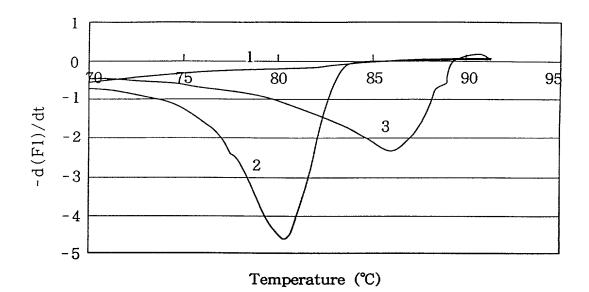
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Fig. 28



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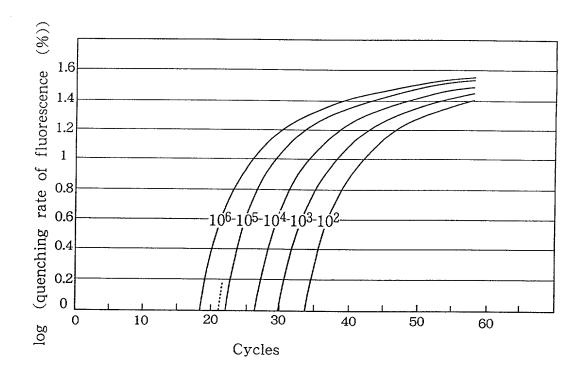
Fig. 29



- 29 -

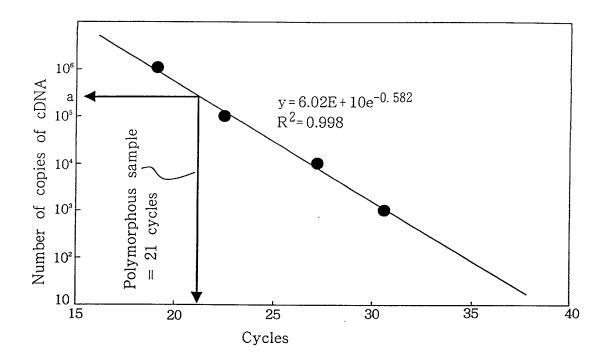
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Fig. 30



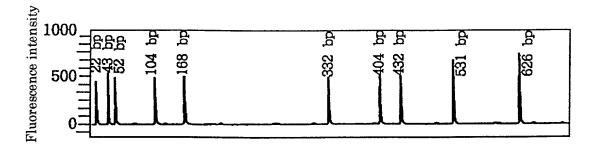
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Fig. 31



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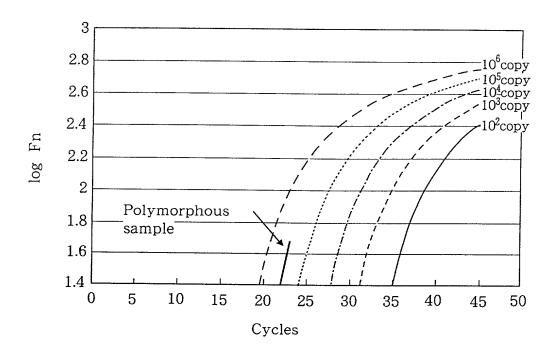
Fig. 32



Number of base pairs

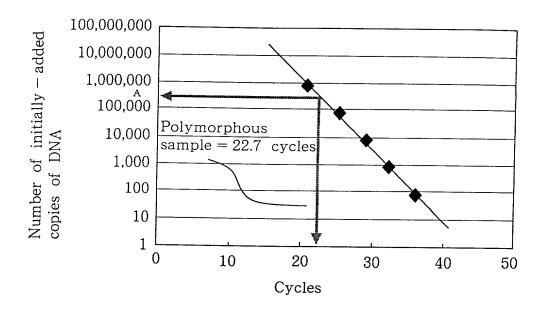
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Fig. 33



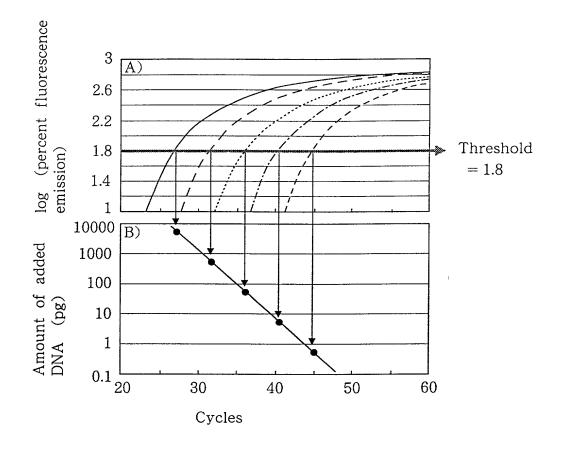
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Fig. 34



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Fig. 35



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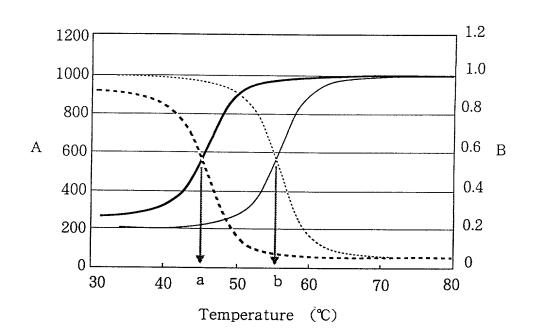


Fig. 37

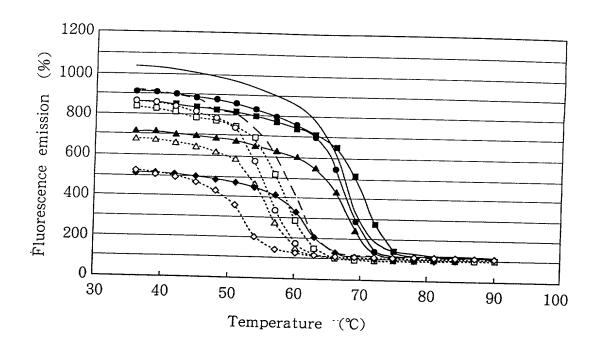


Fig. 38

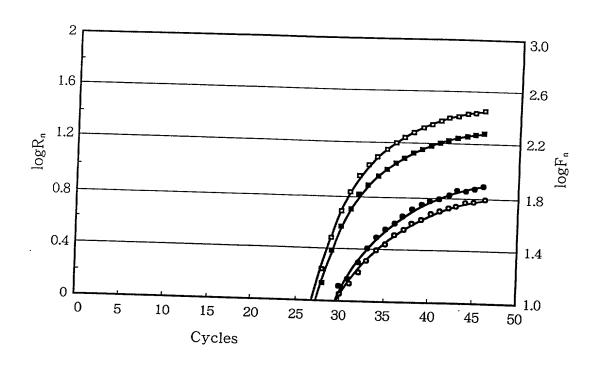


Fig. 39

